App. F. IX-4

Previous References 1932-3 (Ire)

File No. 255-32

Serial Nos. 2 - 3

Letter References.,

PRESERVED

54

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. Seven

Part B for July 33

SUBJECT.

Manufacture of Agricultural implements and the reduction of their prices

D 149-57 dt. 6.7.33
to Dir Ire

WD 0418—GPB—22,500—29-8-36

" Dir of Agri
Comptroller to Govt

Sanctions the proposals of the Dir Ire.

Serial No.

D. 3652

Extract from the Member's minute dated 6th April 1933, in para 9 of the file No. Ste. 255 of 32 (1:2).

Sanctioning the continuance of the Post of the Foundry Expert and Draftsman of the C. Ind. Work Shop for a further period of 2 years with effect from 4th April 1933.

1) "This important work has been undertaken & it will largely increase on account of the Expanding activities in the Irwin Canal Area. It is not possible or desirable to discontinue this work: the Dir's proposal to keep on the Foundry & the Draftsman for two years more may be sanctioned. It is necessary to make this branch of work Self Supporting as early as possible & the Dir may be separately addressed on this subject. He may be asked to report the results of manufacturing agricultural implements since the work was started and the probable Sales in the next two years. It is necessary to view this question independently of the other activities of the Work Shop."

(illegible)

(illegible)

2) Submit with a draft for approval

Sd/- R
7/4/33.

3) Sd/- [illegible]
7.4.33

3. Letter No. D. 536/D 28-L-7-33. dated 7th April 1933 from the Director of Industries, Madras, forwarding the application of Mr. [illegible] for the post of Foundry Expert and Draftsman in the Cotton Industries Work Shop, Coimbatore.

NOTE—Contn. Sheet.

WD 0246 —GPB—15,000—22-8-32

Submit
Sd/- R
7/4/33

3891/32
3805/33.

Dte File No. 255 of 1932. | General and Revenue Secretariat

Letter no. D2-58/32-33 dt 2nd April 1934 from the Dir of Dte. reporting that the total value of the different kinds of ploughs manufactured & supplied to the Agricultural department since the work was started in the foundry section in the Workshop, is Rs 35,824/- the overhead charges earned by the C. P. workshop on the entire work is Rs 7,704/- & that as the demands for the next two years depend entirely on orders to be placed by the Agri. dept. & stating that as the foundry Expert has left, the overhead will be materially less.

W. Subs with reference to para 1 above and para 9 of the note in the file No. 255-32 (1-2)

S [In this connection it may also be pointed out that the Dir of Dte has submitted proposals for the transfer of this workshop either to the Public works Department back or to the Electrical department.]

Subs for orders.

R. Ch. 7/4/34

6) Sub in general. It may be expected that with the reduction in overhead charges and a steady increase in the demand for plough & other agricultural implements, the results of this section may be more satisfactory. It is meant to reduce the cost of production by effecting savings specially under "Labour" & "Overhead". (Vide Para 1.)

Dir. See)

9/4/34

7) The Director may kindly comment in regard to the probable demand, as also his remarks in regard to comparable prices and suggestions he considers necessary.

8) Please put up draft D.O. letter

11.4.

D.NO. 3779 (Separately worked up)

10.APR 2974

30/4

3905 (3)

General and Revenue Secretariat | JR File No. 255 of 1932 | [App. F. III—2

Serial No.

d/ Subs with a draft do. for approval
Genl Clk
1/5/34.

(10) Typed & it.
WJ
1/5/34

TYPING SECTION
2 MAY 1934
GENL. & REV. SECTT.

5 No. D. 5230/Dy 255-32. Dy 3rd May 1934.
Requests him to state the probable demand in the year for different kinds of ploughs manufactured from Agri. Deptt by the C-in-C. workshops & enquires how these ploughs compare in price with those manufactured abroad & what improvement he would suggest in respect of these ploughs manufactured by the C-in-C. workshops

6 From the Director of Agriculture
D.O. No. Y.D. 262- Dy 15/8
With ref. to S/S. furnishes the detailed information called for
1) The improvements suggested in the ploughs are:—
1) The wooden beams to be of a better material & made stronger
2) The iron bodies to be made of better grade of cast iron & flaws in casting avoided
3) Shares to be made also of a tougher cast
4) arrangements to be made to

NOTE—Contn. Sheet.

WD 0434—GPB—15,000—12-10-33

Improvements to be made in the ploughs made in the C I workshop

732

File No. 255 of 193 2	General and Revenue Secretariat

Serial No.

bring down the cost of a plough to Rs 10 and cultivator to Rs 7 each.

12) The Director states that as regards the probable ~~demand~~ demand for these ploughs, about 600 ploughs & 150 cultivators were sold last year (1933-34). But a similar number may be required during the current year. Subd with regd to paras 4 & 6 above.

kmg 17/8 For orders. The improvements suggested may be communicated to the Director of Ind & the Officers requested to issue suitable instructions to the Supdt C. I. workshops, as suggested. Yes WA

kmg CB 17/8 (13) Refer: Paras 7 & 8. D. Secy) WA 17/8/34

(14) The Director Ind may be consulted in regard to suggestions in paras 7 & 8.

WA 21 8/8.

WA 31/8 1/9

(15) Draft Subd kmg CB 1-9-34

(16) Appd. bone WA 1/9/34

Letter No. D. 1811 Dy 8/9/34 to the Dir. Ind. Invite reference to 81-6 and forward copy of letter received from the Dir. of Agri. (81-6.) 7 Secs A kmg

DEV. 1094 20 AUG. 1934

TYPING SECT. GEN. 3. SEP. 193

GEN. & REV. SECRETARIAT 15 SEP. 1934

DEVELOPMENT BRANCH

(55) 3773

Manufacture of Agricultural implements in C.I. workshop.

5

General and Revenue Secretariat I&C File No. 255 of 1932 [App. F. III–2

Serial No.	
7	From the Director of I & C Letter No D2 33 dt 6/2/35 Furnishes his views on the proposals of the Director for improvements in the ploughs manufactured in the C.I. workshop
(17)	The Director states that the improvements suggested by the Director of Agriculture are being attended to & that it is not possible to reduce the level of prices of the ploughs as suggested by the Director without incurring loss.
(18)	It is seen that the cost of ploughs & cultivators can be reduced to Rs 13 & 10 respectively as against Rs 10, & Rs 7 suggested by the Director of Agriculture Submd for perusal & orders (refer paras 7 & 14 above)
14/2	(19) The recommendations of the recent Committee on the Central Industrial work, has ~~been~~ on the method of charging overhead is that the existing system of charging a sum equal to the labour charges may continue. The estimates given by the Supdt C.I. workshops is in accordance with the above. There is

Note—Contn. Sheet.

5034
19/2

therefore no possibility of reducing the price of ploughs and cultivators to the level suggested by the Dy. The annual demand from above is also far below the quantities for which a reduced price is obtained to be possible. The only point for consideration is whether the overhead charges may not be waived altogether by 50% or 75% in the interests of building up a market locally for the ploughs and cultivators. The loss on this a/c would be about 900 Rs on 600 ploughs and about Rs 225 on 150 cultivators.

Dudley. 19/2

20) A copy of the letter with its enclosure may be sent to Dr Ag. He may discuss the point with the Supt and see if further economies are not possible

MW. 28/2

21) Dr Asst Supt Ag KP 5 3/35

Issue 3/3

D.O. Letter No. D. 6009 dy 9-3-35 To. The Dir of Agri 8

Ths copy of letter dy 6-2-35 received from the Dir-Ptc in the matter and requests to discuss the question of the possibility of effecting further economies with the Supdt. of C.D.W.

GENL & REV. SECTT. 1935

SWS A 16/3

3677 Manufacture of agricultural implements

General and Revenue Secretariat 94 File No. of 193 . [App. F. III—2

Serial No.	
1	From the Director of ~~the~~ Agriculture Letter No I.D 763/35-36 dt 7/2 forwards his opinion in regard to the question of the price of ploughs to be manufactured by the Workshop (vi) The Director of Agriculture is of opinion that only the cost of material & labour involved in fitting up the parts may be charged, the overhead & other supervision charges being omitted. He however is agreeable that each Dept may be permitted to charge only 5% against the present rate of 12½% to cover the incidental charge of administrative establishment etc. (23) It is not however clear whether 5% administrative charge recommended in stead of overhead charges is to be calculated on the cost of material & labour together or only on the latter (Refer para 20) by 28/3/36 12/2

NOTE.—Contn. Sheet.

WD 6894—GPB—30,000—18-7-35

8 Manufacture of Agl. implements

File No. 955 of 1932 — General and Revenue Secretariat

(24) Please put up the Report of the C. I. workshop Committee.

(25) Now that the services of the Foundry Expert have been dispensed with, why should the overhead charges remain at the same level (equal to labour charges) as before? What was his pay and what is the pay of the draftsman? Are there any other employees on monthly pay working in this section? Does the cost of labour include the pay of the staff employed in this section?

(26) At the end of the statement attached to his letter of 22.3.34, the Supdt. says: "We are indebted to this branch of activities to the extent of Rs 13000 annually to our output per year.". How was this figure arrived at? (27) The Agri Engr says that if the parts of ploughs are purchased and assembled in the workshop the cost price can be reduced to Rs 10/- per plough. Has he prepared any estimate after ascertaining the prices of the parts?

Ag.
14.2.36

Manufacture of Agricultural Implements in the Central Industrial Workshop - Unofficial File from the Secretary to Government, Development Department.

Submitted.

Item No.25.- Even though the services of the Foundry Expert have been dispensed with, the general over-head charges which are calculated as equivalent to the labour incurred in any particular work, remains the same. The Foundry is not run as an independent part of the Workshop. It is under the supervision of the Superintendent and the Assistant Superintendent just as any other part of the Workshop. The accounting and office sections give their attention to the work turned out in the Foundry Section just as much as they do to those turned out in other sections of the Workshop.

The pay of the Foundry Expert was Rs.400/- per month. The pay of the Draftsman's post is Rs.50/-.

As indicated above, there is no separate sectional office or staff for Foundry, as all the work is attended to by the general workshop staff.

The over-head arrived at, is of a uniform nature for all the works turned out in the Workshop and it is based on the results of working in the past few years and it is found that it is quite within the limits which are generally charged in private concerns of this nature.

Item No.26.- The output is given, viz., Rs.13,000/- was arrived at considering the actual sales of ploughs and parts effected during the year.

Item No.27.- The parts that we are importing from England are, plough shares and the mould boards. A set of these forms only a portion of the cost of a plough. Frogs have to be cast out of cast iron, machined and drilled to take the plough share

share and mould board. The bars and beams have to be made in different sections of the Workshop and finally assembled, arranged and tested before delivery. It has been found that the cost at which we are at present selling it covers the usual over-head charges approved of by Government; but if the manufacture of ploughs is taken on a very large scale, there may be slight economies that could be effected and the cost may go down slightly. Our last year's sale of ploughs to the Agricultural Department has been only 237 in number. The anticipation that the sale of ploughs would go up to three to four thousand per year has not materialised. Our biggest customer has been for the last few years, the Mysore Sugar Company, at Mandya, who have been getting all their requirements of ploughs from us.

Sd/- B.G. Appadurai Mudaliar,
Superintendent,
C.I. Workshop,
26-2-1936.

"COPY"

Director
of Industries and Commerce.

ks)

Manufacture of Agrl implements

General and Revenue Secretariat — File No. 255 of 1932 — [App. F. III—2

Serial No.

The report of the Committee re Overheads is flagged D. Kind reference is invited to para 5 of the G.O passed on the recommendations of the Committee approving the proposals of the Committee to continue the present system of 'Overhead' for three years on certain conditions. (Refer para 24 above).

The Director of Agriculture may be consulted in regard to paras 25 to 27. Subject to orders.

17/2/35 18/2 (Illegible) 18.2

5335/1932 19.2 Recd 20/2/35 Dy 20.2.35

Forwarded, unofficially with compts, to the Director of Agriculture for kindly furnishing me information with reference to paras 25 to 27 above.

By order,

for Secy

Dy. 45.

Returned with compliments.

27 A note submitted by the Industrial Engineer on the points raised in paras 25 to 27 is enclosed. I agree with him. It is not possible to reduce the price to Rs.10/- per plough as suggested by the Agricultural Engineer. The costs cannot be reduced further than

NOTE—Contn Sheet.

WD 03594—GPB—30,000—18-7-35

Improvements in the ploughs manufactured in the C. I. Workshop

I&C File No. 255 of 1932. | General and Revenue Secretariat

than Rs.13/- for ploughs and Rs.10/- for cultivators as reported by me in my letter No. D2-83/32-33 dated 8-2-1935.

Director of
Industries & Commerce.
4th March 1936.

ks)

(30) Subd with reference to paras 25 to 29 above, for orders

10/3/36 (31) Forwarded with compliments to the Dr of Agriculture for favour of remarks if any on the note of the Industrial Engineer

DIRECTOR OF AGRICULTURE
DIRECTORS OFFICE-
BANGALORE
1936
No. 2L O 41/35-36

Returned with compliments.

(32) I have again discussed the matter with the Agricultural Engineer. He says that if the imported parts are supplied to him, he can prepare a plough for Rs.10/- and a cultivator for Rs.7/- on the Hebbal Farm Workshop. As the Central Industrial Workshop has to put in more overhead

GEN. & REV. SECRETARIAT
DEVELOPMENT BRANCH

Reduction of cost of Agricultural implements

B

overhead charges than the Hebbal Farm workshop, it may not be possible for the Central Industrial Workshop to bring the cost below Rs.13/- and Rs.10/- respectively. So it is a matter for the decision of Government whether any portion of the Central Industrial Workshop charges can be waived and implements made available to cultivators at a cheap rate.

A

B. Venkataraya
Director of Agriculture.

Bangalore,
27th March 1936.

Ku

(33) Subd for orders with the R-o Opinion of the Director of Agriculture. Both the Departments maintain their respective Opinions. The Agl Engineer says that if the imported parts are supplied to him he can prepare a plough & cultivator for Rs 10 & Rs 7 respectively in the Hebbal workshop. The Director of Agriculture seeks orders of Govt whether any portion of the C. I. W. charges can be waived. The Director of Ag has already stated (Para 2) that it is not possible to reduce their cost from Rs 13 & Rs 10 respectively.

by 2/4/36 PS 3/4

Reduction of cost of Agricultural implements manufactured in C. I. workshop

General and Revenue Secretariat | File No. 25 of 193 2 | [App. F. III—2

Serial No.

34) Please put up the G.O. relating to the reorganisation of C.I.W. and the administration Report of that institution for 34-35

W. 4.4.36

35) Copies of the G.O. dt. 3.8.35 (Repn para 5) and the Administration Report for 1934-35 are put up herewith.

6/4/36

36) The workshop says that the prices of a plough and of a cultivator cannot be reduced below Rs 18/- and Rs 10/- respectively. Please call for details for Rs 18/- and Rs 10/- under the heads

(1) Value of imported parts

(2) Value of material used for the manufacture of the remaining parts in the workshop

(3) Labour charges of manufacture of (2) and of assembling the parts

(4) Overhead charges and profits

Similar details for Rs 10/- and Rs 7/- may be called for for the Dr. of Agri

W. 7.4.36.

TYPING SECTION 9. APR. 1936 GENL. & REV. DEPT.

37) Draft submitted by us 8/4/36 98 9/4

38 Issued W. 9.4.36

NOTE.—Contn. Sheet.

W 03594—GPB—30,000—18-7-35

Cost of manufacturing Ry. M implements

159

The File No. 255 of 1932

General and Revenue Secretariat

To the Dr Soc & IR Agri
No Dt 188-9 D 14/4
Calls for details regarding the cost of plough & cultivator, as estimated by them.

Sent A
10/4

From The Director of Agr
Letter No. D2-45/34-35 dt 21/9/36.
Furnishes the details of cost under value of imported parts, cost of manufacture overhead charges for Indian Mining & Mysore Ploughs & Cultivators respectively
(39) The information called for from the Director of Agriculture under the above heads is awaited - Submitted for perusal

Cp
30/9/36

40) Please return the Dr Agri

Cp
1.10.36

From,

The Dir[r] of Agriculture

no. J.D. Comp 7/3637 dt 21.10.36 forwarding a Copy of the note of the Agricultural Engr furnishing details for Rs 10 and Rs 15 being the Cost of a Plough and a Cultivator respectively.

Re: Cost of manufacturing agricultural implements.

2283

General and Revenue Secretariat | Dre File No. 255 of 1932. | [App. F. III—2

Serial No.

(41) Both the Dirs of Dre and the Dirs of Agriculture have furnished information called for in para 36 supra. The following is the Comparative table of figures given by them the Depts. The prices of the Agri. Depts are printed ones in red ink.

	Value of imported Parts	Cost of materials for the manufacture of remaining Parts	Labour charges	overhead Trade charges	
[Agri. Dept has sent quoted prices for this pattern of Plough] Mysore pattern Ploughs	3-14-1	3-14-0	3-1-6	3-1-6	13-15-1
K. M. Pattern	4-12-3	3-13-0	2-13-6	2-13-6	14-4-3
	(4-0-0)	(3-12-6)	(0-9-0)	(1-2-6)	10-00
Cultivator		5-5-6	2-14-6	2-14-6	11-1-6
		5-0-0	1-4-0	0-12-0	7-0

(42) It can be seen that the prices quoted by the Agri: Depts in respect of K.M. pattern Ploughs and Cultivators are comparatively less than those furnished by the Dirs of Dre. The cheap labour and overhead Charges quoted by the agri Depts will reduce the total figure Considerably. The Dirs of Dre in his letter dated 6.2.35 has pointed out that it is impossible to reduce the prices to the level suggested by the Dirs of Agriculture.

(43) Submit for orders.

ISD 6/11

(44) As all concerned to the report in the use of improved pattern ploughs and cultivators it seems quite necessary to reduce the price of these implements

NOTE—Contn. Sheet.

WD 0417—GPE—30,000—8-9-36

Serial No.

The prices at which the C. I. Workshop is supplying them to the Central Implements Depot are Rs 13-15-0 & Rs 14-4-0 ~~in the~~ per plough and Rs 11-2-0 per cultivator The Supdt says that if orders for 3000 ploughs and 500 cultivators are placed it would be possible to reduce the cost to Rs 13/- for a plough and Rs 10/- for a cultivator. It is seen from the particulars furnished by him that the overhead charges are about 21 1/2% of the cost of the implements. This is a very high percentage. The Dir of Agri considers that it is quite possible to manufacture and sell these articles & the rates at the rate of Rs 10/- per plough and Rs 7/- per cultivator. ~~The~~ The Agri Engr has worked out a statement of costs. The Hebbal School has a workshop attached to it ~~where~~ where there are facilities to manufacture the parts which are

Serial No.

not circulated. Moreover it is stated that ready-made parts can be had locally and then may be assembled under the supervision of the Agri Engr and sold to the ryots at cheap rates (Rs 10/- & Rs 7/-)

(45) The present rate of consumption is very low. The sales in 33-34 were 600 ploughs and 150 cultivators. If the prices are reduced by 3 to 4 rupees as proposed by the Agri Dept there is little doubt that the sales will go up. In the circumstances the Agri Dept may perhaps be authorised to manufacture these implements in the Hobli workshop or buy the parts and assemble them for sale to the ryots

Dir Agri 6.11.36

3369/6/11

(46) The Director Dr Agriculture may

Agri. 10.11.36.

Rev no 175/1936-37

forwarded with compliments & in favour of remarks

11.11.1936 the Dir Dr Agr

Bo

Director of Agriculture

11

Returned with compliments.

47) The subject was discussed in detail at a meeting held in the Office of the Director of Agriculture on 25th February 1937. The Director of Agriculture and Industrial Engineer and Agricultural Engineer were present. A copy of the memo of points discussed is placed on the file.

48) It will be seen therefrom that the Workshop at Hebbal is not properly equipped for taking up the manufacture of these ploughs and cultivators and that is is not possible to make them for Rs 10/- and Rs 7/- respectively as estimated by the Agricultural Engineer after providing for all charges.

49) Having regard to the usefulness of these implements to the ryots and the need for popularizing the same all over the State, the Director of Agriculture recommended a reduction in prices by bringing down the overhead charges.

50) I recommend that in the larger interests of the public it is enough if only 50 per cent of the overhead charges is charged hereafter. If this is approved the prices for the ploughs and cultivators would be further reduced to Rs 12-6-4 and Rs 9-11-0 respectively as shown below.

OFFICE OF DIRECTOR ... NO. 41 DATE 12/2/37

D. I. C.

NOTES.

Case No. G.D. of 193

Subject :— .....

.....

.....

	Mysore ploughs			K.M. ploughs.			Cultivators.		
1.Value of imported parts.	Rs 3	14	1	4	12	3	0	0	0
2.Cost of materials used	3	14	0	3	13	0	5	5	4
3.Labour charges	3	1	6	2	13	6	2	14	6
4.50 per cent of labour as overhead charges.	1	8	9	1	6	9	1	7	3
	12	6	4	12	13	6	9	11	1

Camp Mysore,
22nd April 1937.

Director of Industries and Commerce in Mysore.

Submit for orders with reference to para 46 of the note.

The Director of Ind. & Com. The subject was discussed in detail by the Director of Agri., Agrl. Engr. & the Industrial Engr. at a meeting on 25.2.37 and it was found that it was not possible for reducing the price of plough and cultivator to Rs. 10/- & 7/- respectively by manufacturing them on the workshop at Hebbal and is of opinion that the prices may be fixed at Rs 12-6-4 for a plough & Rs 9.11.1 for a cultivator by reducing the

0885—GPB—5000—18-12-35

2253.

Case No..... .....of 193 .. Reduction of the Cost of Agl Implements D. I. C.

NOTES.

Subject :— .....

.....

.....

overhead charges by 30%.

Refee - para 46.

25/4/37

26/4

26.4.37

As the Workshop at Hebbal is not properly equipped to manufacture these agl implements well & in sufficiently large quantities, it is desirable that the manufacture should continue to be entrusted to the C.I. Wkshop.

As regards the reduction of prices in the manner suggested by the Dir I & C in his U.O. note above, the proposal is reasonable & may be accepted.

Thro' Govt Secy
Second Mr

29/4/37

29.4.37

I agree. Both the depts should, however, try to encourage private people to manufacture these ploughs. What efforts are they making in this direction?

5/5/37

6.5.37

GENERAL SECRETARIAT
30 APR. 1937
1855

Reduction of the cost of Agl implements.

225 3773/36 225 26

General and Revenue Secretariat — Dte — File No. 253 of 1932. [App. F. III—2

Serial No.

Submitted a draft S.O.

Revised draft submitted as instructed by the Under Secy

MKG 18/6/37

MKG 31/5/37

Typed draft by 29.6.37

Typed draft submd.

MKG 1.7.37

Dy Secy (Co-op Section) by 1.7.37

MW 2.7.37.

Issued by 5.7.37

30 JUN 1937

10/7/37

To The Director of Dte.
" Comptroller
Fo. no D. 149-51 of 6.7.37

Passes orders fixing revised rates for the sale of Ploughs to ryots and directs that both the Depts of Dte & Agl should try to encourage private people to manufacture these implements.

B

17 JULY 1937

DEVELOPMENT BRANCH

NOTE—Contn. Sheet.

WD 0417—GPB—30,000—8-9-36

A meeting was held in the Office of the Director of Agriculture at 2-30 P.M. on the 25th February 1937 when the the following members were present

1. The Director of Agriculture.
2. The Director of Industries and Commerce.
3. The Industrial Engineer.
4. The Agricultural Engineer.

The question of the cost of manufacture of the improved type of plough was discussed. The Agricultural Engineer had prepared a list showing an estimate for the manufacture of these ploughs. Under materials he has not allowed any wastage and no overhead charges have been taken into account. The labour involved for fitting up etc. was low. These points were discussed and the following conclusions were arrived at.

1. That the Workshop at Hebbal is neither equipped nor meant for manufacturing ploughs of this type on a large scale.

2. The manufacture undertaken on which the estimate presented by the Agricultural Engineer is in respect of just a few ploughs which were made in the Workshop in their spare time without taking into consideration all the charges that are to be debited to their manufacture if they have to be made on a commercial scale.

3. The Agricultural Engineer said that there was a man on Rs 40/- employed who also helped in the manufacture of of the ploughs. No portion of his labour has been taken into consideration nor any consideration given for the time spent by the Agricultural Engineer in giving instructions. Charges such as rent on building, power charges, depreciation, etc. are not also taken into consideration.

4. The Agricultural Engineer gave an estimate in the course of his conversation and they were as follows:-

Plough body	Rs 1	4	0
Handles	2	4	0
Beam	0	14	0
Bolts and nuts	0	4	0

Wood screws and rivets	0	1	0
Painting	0	4	0
Foreign parts with bolts and nuts	4	8	0
Bridle and ring	0	6	0
Fitting charges	0	6	0
Total Rs	10	3	0

No overhead charges for power,light and supervision taken.

The Workshop cost for a plough of this type comes to Rs 10-3-7 thus there is a difference of Rs 0-10-7 in the manufacture of a plough.

The Director of Agriculture was of opinion that the Hebbal Workshop was not equipped nor was meant to take up the manufacture of these ploughs on a large scale. If such a manufacture is to be undertaken additional machinery have to be put in and naturally the overhead charges will go up and that at present the Workshop is meant only for experimental work and for the use of the Hebbal School Students.

" C o p y "

Director.

Labour

Casting, manufacture of iron handles, rings, horse, body uprights, and shifting levers (2), including cost & power charges — per length — 1 — 0-6-0

Assembling cost length — 0-4-0

Painting — 0-3-0

Total — 5-3-0

Overhead charges — 4-8-0

Total — 9-11-0

Body Handles 1-4-0. 2-4-0. 0-14-0. 31

Beam — 0-4-0

Bolts — 0-1-0

Wrought iron — 0-4-0

Paint — 0-1-0

Brass — 5-0-0

£4-15-0

£0-6-0

£0-5-5-0

4-8-0 per hundred

9-13-0 per hundred

10-6-0 per hundred

10-3-0

Overhead charges

Cost. Workshop.

3-14-1
3-14-0
3-1-6
£10-13-7

9-1-12
10-12-0

Materials

Iron.

m.s flat 2" × 3/8" × 1½" @ 2.50 lb/r.ft			3.75
Do. 1½" × ¼ × 2'-4" @ 1.25 lb			9.17
" 3" × 3/16" × 1' @ 1.88 lb			1.88
" 1" × ½" × 3'-2" @ 0.83 lb			2.50
" 1¼" × ⅛" × 2' @ 0.52 lb			1.54
m.s. round ½" dia × 0'-9" @ 1.48 lb			1.11
Wrought			3.53
		total	23 lb
2. m.s. bolts & nuts 3" × 3/8"	4		
Do. 2½" × 3/8"	2		
		total	6
3. Rivets 3/4" × 1/4"	5		5
4. Screws 1½" (no 10)	6		6
5. C.I. body	1		1
6. Beam of wood	1	4'-3" d 2½" d 2½"	.25 cft
7. Grips of wood	4		4

Cost of Material

Iron flat	23 lb	@ Rs 1/ cwt	1-13-6
m.s. bolts rivets with countersunk head	6	@ 0-1-0 / each	0-6-0
Rivets 3/4" × 1/4"	5	@ 0-0-1	0-0-5
Screws 1½" (no 10)	6	@ 0-0-1	0-0-6
C.I. body	1	@ 1-4-0	1-4-0
Beam of wood	.25	@ 3-0-0 per c.ft	0-12-0
Grips	4	@ 0-0-6	0-2-0
		Total	4-6-0

Proceedings of the Government of His Highness
the Maharaja of Mysore.

R e a d :-

Government order No.D.4876-77/ I & C.225-31-4 dated 30th March 1932, sanctioning the continuance of the services of the Foundry Expert and the Draftsman of the Foundry Section of the Central Industrial Workshop for a term of one year with effect from 4th April 1932.

Letter No. B.279/30-31 dated 22nd March 1933 from the Director of Industries and Commerce requesting in the circumstances explained sanction for the continuance of the Foundry Expert and the Draftsman for a further period of two years with effect from 4th April 1933 and to authorise the Comptroller to retain the provision of Rs.5,400/- made for the above purpose in the Revenue Estimates of the Central Industrial Workshop for 1933-34.

Order No. [illegible]

Dated, Bangalore, the 20th April 1933.

Government are pleased to sanction the continuance of the Foundry Expert and the Draftsman of the Foundry Section of the Central Industrial Workshop for a further period of two years with effect from 4th April 1933.

The Comptroller is requested to retain the provision of Rs.5,400/- made to meet the pay of the above Foundry Expert and Draftsman in the Revenue Estimates of the Central Industrial Workshop for 1933-34.

For Secretary to Government,
Development Department.

To
The Director of Industries and Commerce in Mysore.
The Comptroller to Government, through the Financial Sectt.

mk.6

Appendix F G—1]

27

SUBJECT .....

.....

.....

Section Ite.

File No. 255-32

Serial No. 3

Diary No. of letter replied to .....

No. D5-367

To The Dir of Ite.

General and Revenue Secretariat

( )

the 193 .

Sir,

I am directed to refer to the ~~continuation of~~ Govt order no D5869-60 dt 16/3/32 sanctioning the continuance of the Foundry Expert and Draftsman of the Central Ind. Workshop for a further period of two years, and to observe that it is necessary to make this branch of work of the Workshop self supporting as early as possible. I am to request you to see so good as to report as annual the results of mannufacture of agricul implements since the work was started & also probable results in the next two years. I am to add that it is necessary I have etc

Date of issue 15/4/32

Signed by M. M. S. Mahon

List of enclosures.....

Copied by .....

Examined by .....

for Dir Ite

Operations under this head independent of the other activities of the Chief Workshop

for Secy to Govt Ord Dept

28

25th

10th April 1933.

D 5-861

~~D 5-359-60~~

Dc 255-R-3

The

The Director of Industries & Commerce in Mysore,

Bangalore.

I am directed to invite a reference to Government Order No. D 5-359-60 / Dc 255-R-3 dated 25/4/32 sanctioning the continuance of the the Foundry Expert and Draftsman of the Central Industrial - Workshop for a further period of two years, and to observe that it is necessary to make this branch of work of this Central Industrial Workshop self supporting as early as possible, I am to request you to be so good as to submit a report on the financial results of the manufacture of agricultural implements since the work was started as also the probable results in the next two years. I am to add that it is necessary to view the operations under this head - independently of the other activities of the Central Industrial - Workshop.

I have the honour to be,

Sir,

Your most obedient servant,

MV 21/4

For Secretary to Government,

Development Department.

RMR

BNL.2.

Ind Vol

9Ec-25-5-32-4

3865.

GEN. & REV. SECRETARIAT
3 APR. 1934
DEVELOPMENT BRANCH

Telegraphic Address:—"INDUSCOM."

GOVERNMENT OF MYSORE.

DEPARTMENT OF INDUSTRIES AND COMMERCE.

29

In reply please refer to
No. D2.82/32-33
Encl, Two.

OFFICE OF THE DIRECTOR,

Dated Bangalore, 31st March 1934.
2nd April

FROM

A. V. RAMANATHAN, ESQ., B.A.,
Director of Industries and Commerce in Mysore,
Bangalore (India).

To

M. VENKATANARANAPPA, ESQ., B.A.,
Secretary to the Government of Mysore,
Development Department,
Bangalore.

Sir,

Financial results of the manufacture of agricultural implements in the Central Industrial Workshop.

****

With reference to correspondence ending with your Reminder No. D.4505/I&C.255-32 dated 20-3-1934 on the above subject, I have the honour to submit herewith the statement received from the Superintendent, Central Industrial Workshop, showing the number of different kinds of ploughs manufactured and supplied to the Agricultural Department since the work was started in the Foundry Section in the Workshop viz., 27-6-1931 to end of February 1934.

As will be seen therefrom the total value of the implements produced is Rs 35,824/- and the overhead charges earned by the C.I. Workshop on the entire work is Rs 7,710/-.

In regard to the forecast of manufacture for the next two years called for by Government, the Superintendent states that this depends entirely on the orders to be placed by the Agricultural Department. A copy of his letter No.435/ACCt dated 22-3-1934 is submitted herewith for favour of information of Government. But as the Foundry Expert has left the overhead will be materially less in future.

I have the honour to be,

Sir,

Your most obedient servant,

DIRECTOR.

BV2

30

4 35 Ene (1)
Agc

22nd March 4

To

The Director of Industries
& Commerce in Mysore,
Bangalore.

Sir,

MANUFACTURE OF AGRICULTURAL IMPLEMENTS.

With reference to your D.O. No. D.2-83/32-33 dated the 22nd instant (To-day) enclosing a copy of letter No. 4505/I&C. dated 20-3-34 from the Secretary to Government, Development Department regarding the manufacture of Agricultural implements and the financial results thereof, in the workshop, I have the honour to submit as follows:-

2. The work of preparing agricultural implements on a fairly good scale was begun on 27-6-1931. We have gone on manufacturing the following:-

(1) Kolar Mission pattern ploughs.
(2) Mysore pattern ploughs.
(3) Eureka ploughs.
(4) Cultivators.

3. Manufacture of the following spares for ploughs was also taken up:-

(1) Plough frogs.
(2) Semi-steel shares.
(3) Semi-steel malleable Kolar Mission shares.
(4) Annealed shares.
(5) Semi-steel spanners for ploughs.
(6) Verity bodies.

4. I submit hereunder the number of ploughs manufactured and the value of shares manufactured and supplied with the outlay incurred, for your kind information.

5. Plough parts of an approximate value of Rs 7700/- were purchased from England and orders for the supply of a further quantity of an approximate value of Rs 3000/- have been placed in England through the Trade Commissioner. The Agricultural Department have been kind enough to place orders for all their requirements with us,. We have realised as shewn in the statement 100 % overhead on labour and the total amount realised towards overhead comes to Rs 7710-2-6.

6. As regards the forecast of manufacture for the next two years, I may state that it depends on the orders that will be placed for these parts from the Agricultural Department. If the orders continue to be received as before, we ~~may be able to~~ will manufacture

manufacture and supply about 800 Mysore ploughs and shares and 800 K.M. Ploughs and shares and about 150 cultivators at an aggregate cost of about Rs. 25000/-.

I have the honour to be,
Sir,
Your most obedient servant,

Superintendent.

EMENT SHOWING THE DETAILS OF MANUFACTURE OF AGRICULTURAL IMPLEMENTS IN THE C.I. WORKSHOP FROM 27-6-'31 to end of FEBY: '34.

Sl No	Details.	Number manufactured	Amount realised.	OUTLAY INCURRED. Labour.	Material	Total	Overhead @ 100 %	Total.
1.	Mysore ploughs and plough parts.	1087 ploughs & several spares.	16,708-13-0	3376-4-7	9844-7-4	13220-11-11	3376-4-7	16597-3-6
2.	Kolar mission ploughs and plough parts.	1087 ploughs & several spares.	15736-10-0	3361-13-2	9002-14-8	12364-11-10	3361-13-2	15736-9-0
3.	Cultivators.	160	1903-12-0	380-4-0	1143-8-0	1523-12-0	380-4-0	1904-0-0
4.	Annealed shares.	80						
5.	Malleable shares.	25	1475-2-0	591-12-9	391-15-4	982-12-1	591-12-9	1474-8-10
6.	Chilled shares.	1075						
			35824-5-0	7710-2-6	20382-13-4	28092-15-10	7710-2-6	35803-1-4

N.B.

The overhead earned by the manufacture of Agricultural implements is Rs. 7710/- up to date. Total production is Rs. 35824/-. This means that we are indebted to this branch of activities to the extent of Rs. 13,000/-- addition to our out-put, however

Superintendent,
C.I.Workshop.

23/3

Appendix F G—1]

32

SUBJECT .....

.....

.....

Section 9H

File No. 285-32

Serial No. 5

Diary No. of letter replied to .....

No. 1562

To The Dir of Agri.

General and Revenue Secretariat

( )

the 193 .

Date of issue 3/5/34

Signed by N.V.V. Chary

Sir,

I am desired to request you to let me probable as soon as to state what demand for the different kinds of ploughs manufactured in the Agricultural Department, by the Central Industrial Workshop, in the next year also your remarks in regard to Comparative price and any improvement you consider necessary.

I am to enquire how these ploughs compare in prices with those manufactured elsewhere, and what improvements you would suggest in respect of the ploughs manufactured at the Industrial Workshop.

List of enclosures .....

Yours sincerely

Copied by PBM 2/5/34

Examined by .....

To, A.K. Yegna Narayana Iyer Esq M.A (Hons) Dipl in Agri (Cantab) N.D.D (Eng)

Dir of Agri.

GENERAL AND REVENUE SECRETARIAT

D. O. No. D S 2 30 — IC 253-32-5

Dated, Bangalore, 2nd May 1934.

33

Dear Sir,

I am desired to request you to be so good as to state the probable demand there would be in the year for the different kinds of ploughs manufactured for the Agricultural Department, by the Central Industrial Workshop.

I am to enquire how these ploughs compare in prices with those manufactured elsewhere and what improvements you would suggest in respect of the ploughs manufactured at the Industrial Workshop.

Yours sincerely,

Fair Draft

To

A. K. Yegna Narayana Iyer, Esq., M.A., Dipl.in Agri. N.D.D. (Eng
Director of Agriculture in Mysore, Bangalore.

Dwr KR

Jl. 255-32-6

DEPARTMENT OF AGRICULTURE, MYSORE STATE.

34

TEL. ADDRESS: "AGRI., BANGALORE."
Code: 5th Edition A.B.C.

A. K. YEGNA NARAYAN AIYAR, ESQ., M.A.,
Dip. in Agri. (Cantab.), N.D.D. (Eng.), F.C.S.,
Director.

OFFICE OF THE DIRECTOR,
BANGALORE.

Dated....15th August 1934.193

D.O. No. JD. 262. 34. 35 (Dev Sect)

732

GEN. & REV. SECRETARIAT
16 AUG 1934

DEVELOPMENT

Dear Sir, WD 16/8/34

Subject.- Improvements to be effected in the ploughs manufactured by the Central Industrial Workshop and the probable demand for the same during the year 1934-1935.

With reference to your D.O. letter No. D. 5230/ I&C 255-32 dated the 2nd May 1934 and the subsequent reminders issued thereon, I have to suggest the following improvements:

1. The wooden beams should be of a better material and made stronger to resist splitting during action.
2. The iron bodies are to be made ~~as~~ of a better grade of cast iron and flaws avoided in the castings against breakages in work.
3. Shares are likewise to be made of a tougher cast and attention should be paid to make spares of the same standard as the original parts to obviate the complaints that shares do not fit properly in their places.
4. Arrangements should be made to reduce the cost. It should be possible to sell the ploughs at Rs.10/- and the cultivators at Rs.7/- each.

As regards the demand for these ploughs during the current

p.t.o.

current year, I have to state that about 600 ploughs and 150 cultivators were sold during the year 1933-34 including the sales made to the ryots of the Irwin Canal area and a similar number may perhaps be expected to be required during the current year also.

Yours sincerely,

K. Narasimha Rao

V. Vedavyasacharya, Esq, B.A.
Secretary, Stores Purchase Committee,
Bangalore.

15/8/34

blm.

Appendix F G—1]

SUBJECT .....

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Section GHC

File No. 25-32

Serial No. 7

Diary No. of letter replied to .....

No. D 1811

To The Director of Industries & Commerce

General and Revenue Secretariat

( )

the *193* .

Sir,

Date of issue 8/9/34

I am directed to invite reference to the correspondence ending with your letter No D2-82/3233 dt 2.3.34 regarding on the ~~subject of the~~ financial results of the manufacture of implements in the C. I. Workshops, ~~I am directed~~ to forward herewith for favour of furnishing ~~herewith~~ your opinion early, a copy of D.O. letter No D 262/34-E

Signed by [illegible]

List of enclosures .....

Copied by .....

Examined by.....

Dy 15-8-34 from the
Director of Agriculture suggesting
certain improvements in the
ploughs & manufactured by
the C.I. Workshop & the
probable demand for the same
during the current year.

I have &c

MA 1/9/34
for Secretary

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Bangalore, Dated, 4th September 1934.

No. D 1811 Ks / Ag 256-32-7

From

The *Secretary to the Government of His Highness the Maharaja of Mysore, Development Department.*

To

The Director of Industries and Commerce in Mysore, Bangalore.

Sir,

I am directed to invite reference to the correspondence ending with your letter No.D2-82/32-33 dated 2nd March 1934, reporting on the financial results of the manufacture of agricultural implements in the Central Industrial Workshop, and to forward herewith for favour of furnishing your opinion early, a copy of D.O.letter No.D.262/34-35 dated 15th August 1934 from the Director of Agriculture, suggesting certain improvements in the ploughs manufactured by the Central Industrial Workshop and the probable demand for the same during the current year.

I have the honour to be,

Sir,

Your most obedient servant,

for Secretary to Government.
Development Department.

Telegraphic Address:—"INDUSCOM."

GOVERNMENT OF MYSORE.

DEPARTMENT OF INDUSTRIES AND COMMERCE.

In reply please refer to
No. D2-83/32-33
Encl. Letter with its enclosure
Statement.

OFFICE OF THE DIRECTOR,

Dated Bangalore, 6th February 1935.

FROM

A. V. RAMANATHAN, ESQ., B.A.,
Director of Industries and Commerce in Mysore,
Bangalore (India).

To

GEN. & REV. SECRETARY
DEVELOPMENT BRANCH

M.S. Venkataranaranappa, Esq., B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore.

SIR,

Manufacture of Agricultural Implements in Central Industrial Workshop.

****

With reference to your letter No. D.1811/I&C 256-32-7 dated 8-9-1934 forwarding for my opinion the letter dated 15-8-1934 from the Director of Agriculture suggesting certain improvements in the ploughs manufactured in the Central Industrial Workshop, I have the honor to state that the improvements suggested by the Director of Agriculture are being attended to. In regard to the cost, the Superintendent, Central Industrial Workshop reports that the ploughs and cultivators could be manufactured at the cost of Rs. 13-15-0 per (Mysore Pattern Ploughs), Rs. 14-4-3 per (K.M.Pattern Ploughs) and Rs. 11-2-0 per cultivators, inclusive of overhead charges In case orders are placed for over 3000 ploughs and 500 cultivators it would be possible to reduce the cost due to bulk purchase of the materials required. The cost can be reduced to Rs. 13/- for ploughs and Rs. 10/- for cultivators against Rs. 10/- and 7/- respectively as suggested by the Director of Agriculture. He states that it is not possible to reduce the prices to the levels suggested by the Director of Agriculture as reduction in the overhead charges is not possible without incurring loss. A copy of his letter No. 178/A.S.K. dated 9-10-1934 with enclosure is submitted herewith

for

No 178 Enc 1 Statement
A/SK

9th October 4

To

The Director of Industries
& Commerce in Mysore,
Bangalore.

Sir,

Re: Improvements to be effected in the case of ploughs manufactured by C.I. Workshop.
-:0:-

With reference to your memo No. D.2-82/32-33 dated 15/17-9-34, forwarding a copy of letter No. 1811/I&C.256-32-7 dated 8-9-34 from the Secretary to Government, to you for a note on the points raised by the Director of Agriculture, in his No. D.262/34-35 dated 15-8-34, to the Secretary, on the above subject, I have the honour to enclose herewith statement showing the approximate cost of each plough and cultivator. It can be seen from the statement that our overhead charges come to nearly Rs 3/- per plough and Rs 2/14/6 per cultivator. The balance value represents the cost of material and labour. But in case orders are placed, say for over 3000 plough and 500 cultivators, per year, from the Agricultural department, due to bulk purchase of materials, I might be able to reduce the cost of ploughs to Rs 13/- each and cultivators to Rs 10/- each. The other improvements suggested are being attended to.

I have the honour to be,
Sir,
Your most obedient servant,

Superintendent.

MYSORE PATTERN PLOUGHS.

		Rs 3-14-1	M.			L.			O.H.		
1)	Shares.	1 1 6									
2)	Land plate.	0 11 8									
3)	Plough plate.	1 1 3									
4)	Bar point.	0 15 8									
5)	C.I. Body.	1 0 0	0	8	0	0	4	0	0	4	0
6)	Wood work.	1 7 0	0	7	0	0	8	0	0	8	0
7)	Forgings.	3 9 0	1	13	0	0	14	0	0	14	0
8)	Bolts &c.	0 9 0	0	9	0	-	-	-	-	-	-
9)	Spanner.	0 4 0	0	1	0	0	1	6	0	1	6
10)	Drilling & Painting.	2 4 0	-	-	-	1	2	0	1	2	0
11)	Paint & painting.	1 0 0	0	8	0	0	4	0	0	4	0
			7	12	1	3	1	6	3	1	6 = 13-15-1

or Rs 14/=.

But in case orders are placed say over 3000 ploughs per year, from Agrl: Department, due to bulk purchase of materials I might be able to reduce the cost of C.I.Workshop delivery to Rs 13/- a plough.

K. M. PATTERN PLOUGHS.

1)	Shares.	3 2 0								
2)	Plough plates.	1 1 3								
3)	Flat plates.	0 9 0								
4)	C.I. Body.	1 0 0	0	8	0	0	4	0	0	4	0
5)	Wood work.	1 7 0	0	7	0	0	8	0	0	8	0
6)	Forgings.	3 4 0	1	12	0	0	12	0	0	12	0
7)	Bolts &c.	0 9 0	0	9	0	-	-	-	-	-	-
8)	Spanner.	0 4 0	0	1	0	0	1	6	0	1	6
9)	Marking, Drilling and fitting.	2 0 0	-	-	-	1	0	0	1	0	0
10)	Paint & painting.	1 0 0	0	8	0	0	4	0	0	4	0
			8	9	3	2	13	6	2	13	6 = Rs 14-4-3

CULTIVATOR PARTS.

Wood work:- Venteak	3½"x 3½"x 3'-3"	1			
	3½"x 2"x 8'-0"	1	0-8-8 @		
	2"x 1"x 4'-0"	1	1-15-0 C.ft.	1	6 4
Labour. Planing & martising.		...	...	1	2 0
Iron materials:-					
2"x ½" flat	17" long.	3			
-do-	14" "	3	28.00		
1½"x ¼"	2'-3" "	2	5.85		
1"x ¼"	2'-0" "	2		Say 3/8 cwt @	
1"x ¼"	4½" "	2	4.32	Rs 8/=	3 0 0
1½"x 1/8"	4½" "	1	0.25		
1"x 1/8"	6" "	1	0.42		
3"x 3"x 1/8"		1	0.31		
22 guage hoop.iron ¾" wide		2½ ft l.			
Labour. for forging ½ day.		...	...	1	2 0
Coal.	...	...	...	0	8 0
½" bolt & nut	6½" long	1	0.515		
3/8" -do-	4½" "	2	0.410		
-do-	4" "	6	1.134	Say	
-do-	3" "	1	0.156	2 5/8 lbs @	
-do-	2" "	1	0.124	18-8-0 a cwt.	0 7 0
-do-	1½" "	1	0.108		
-do-	1" "	2	0.184		
			2.631		
Marking, drilling & fitting.		...			0 10 6
Overhead.	...	...	...		2 14 6
					11 2 4

27-10-34.

41

Appendix F G—1]

SUBJECT .....

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Section 1K

File No. 255-32

Serial No. 8

Diary No. of letter replied to 3773

No. 10600/G

To The Director of

General and Revenue Secretariat

( )

the 193 .

Dear Sir,

Subject

Manufacture of Agl. Implements in the C. I. workshop

Date of issue 5/9/35

Signed by W. N. Hussain

With ref to your D.O letter no 7D 262/34/35 d 15/8/34 on the above subject I am desired to forward herewith a copy of letter No Dr 33 d 6/2/35 received from the Dr of Ste (with its enclosures) in the matter and to request you to kindly discuss the

List of enclosures .....

Copied by .....

Examined by .....

WD 01956—GPB—22,500—12-6-34

Give him of the responsibility of effecty

~~with the Lupset~~

~~and pray God with you bring out to Bretton~~

~~Conference of Cambridge of~~ ascertain if

further economies ~~can be~~ are not

~~to be effected in~~ under the Supply of C. I. Cambridges.

~~the improvement of ploughs.~~

Jim Emy

~~Dr Nan~~

The Duke of Agri (& name)

D. O. No. ~~O.~~ D 6005 / 6

GENERAL AND REVENUE SECRETARIAT,

Dated, Bangalore, 6th March 1935.

Ag 255-32-5

Dear Sir,

Subject:- Manufacture of Agricultural Implements ~~for~~ in the Central Industrial Workshop.

With reference to your D.O.letter No.I.D.262/34-35 dated 15th August 1934 on the above subject, I am desired to forward herewith a copy of letter No.D.2.33 dated 6th - February 1935 received from the Director of Industries and Commerce (with its enclosure) in the matter and to request you to kindly discuss the question of the possibility of effecting further economies with the Superintendent of Central - Industrial Workshop.

Yours sincerely,

B. Narasimha Iyengar, Esq., B.A., Ph.D.,
Offg.Director of Agriculture in Mysore,
Bangalore.

WD 960—GBPM—1,250—17-1-33.

A.B.C. 5th Edition

Telegraphic Address
"Agri. Bangalore."

3677

GEN. & REV. DEPARTMENT
43 11/2
DEVELOPMENT BRANCH

DEPARTMENT OF AGRICULTURE.

MYSORE STATE.

No. GDn. 763.35-36

OFFICE OF THE DIRECTOR OF AGRICULTURE,

Bangalore 5th February 1936.

FROM

B. NARASIMHA IYENGAR, ESQ., B.A., PH.D.,
DIRECTOR OF AGRICULTURE IN MYSORE,
BANGALORE.

To

M. Venkatanaranappa, Esq., B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore.

SIR,

Subject: Manufacture of Agricultural implements.

In reply to your letter No.D.4296/I.&.C.255-32-R regarding manufacture of agricultural implements, I have the honour to state that both the Industrial Engineer and the Agricultural Engineer have discussed the matter at my instance. While the Industrial Engineer maintains that it is not possible to reduce price unless a sale of 3000 ploughs at least is guaranteed, the Agricultural Engineer is of opinion that it is possible to bring [redacted] price down to Rs.10/- if the parts are purchased and independently and fitted up.

As it is not possible to guarantee a sale of 3000 ploughs a year and as they have to be fitted up at the Central Industrial Workshop, I think it is desirable to charge only the cost of material and labour involved in fitting up the parts leaving out all overhead and supervision charges.

To cover incidental charges of administrative establishment etc., each Department may be permitted to charge only 5 % as against the present ~~10%~~ 7½. Such a procedure may not bring in any profits to the Central Industrial Workshop, but it seems desirable to forego it in the interests of agricultural improvement in the State.

I have the honour to be,
Sir,
Your most obedient servant,

B. Narasimhaiyengar

kvs.

Director of Agriculture.

Appendix F G—1]

44

SUBJECT.....

.....

.....

Section 94

File No. 255-32

Serial No.

Diary No. of letter replied to.....

No. D 6188-89

To

1) The Collector of S.K.

2) The D.S. of Agri.

Subject

Reduction in the cost of agricultural implements manufactured in the C.P.W.

Sir,

With reference to the correspondence ending with

1) Your D.O. Note No. D2 45 D 24.3.36

2) Your D.O. Note No. 41/35-36 D 24.3.36,

on the above subject, I am directed to request You to furnish details ~~for~~ ~~the cost of~~

1) for Rs 13 and Rs 10 being the cost of a plough and a cultivator respectively,

2) Do Do Rs 10 and Rs 7 being the cost of a plough & a cultivator, respectively,

General and Revenue Secretariat

( )

the 193 .

Date of issue 14.4.36

Signed by Mr. K.S.R.

List of enclosures.....

Copied by W 14/4.

Examined by.....

under the following heads :—

(i) Value of imported parts

(ii) Value of material used in the manufacture of the remaining parts in the Department workshop

(iii) Labour charges of manufacture of assemblage of the parts, and

(iv) Overhead charges & profits.

Reverse

9.4.56

The number of ploughs and cultivators manufactured at the C.F.W during the last years may be kindly stated

[To be added in the letter addressed to the D.F.I.C.]

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated, Bangalore, 11th April 1936.

No. D. 6188-89

From

The *Secretary to the Government of His Highness the Maharaja of Mysore, Development Department.*

To (1) The Director of Industries and Commerce in Mysore.

(2) The Director of Agriculture in Mysore.

Subject: Reduction in the cost of agricultural implements manufactured in the Central Industrial Workshop.

Sir,

With reference to the correspondence ending with your un-official Note No. (1) D2 45 dated 4th March 1936 (2) 41 /35-36 dated 27th March 1936 on the above subject, I am directed to request you to furnish details for Rs. (1) 13 & Rs. 10/ (2) 10 & 7 / respectively being the cost of a plough and a cultivator respectively under the folowing heads:

(i) Value of imported parts.

(ii) Value of material used for the manufacture of the remaining parts in the Departmental workshop.

(iii) labour charges of manufacture and of assemblage of the parts and

(iv) Overhead charges and profits.

(1) The number of ploughs and cultivators manufactured at the Central Industrial Workshop during the last year may be kindly stated.

I have the honour to be,
Sir,
Your most obedient servant,

For Secretary to Government,
Development Department.

TSS.

Ag. 255-32

Telegraphic Address:—"INDUSCOM."

GOVERNMENT OF MYSORE.

DEPARTMENT OF INDUSTRIES AND COMMERCE.

In reply please refer to
No. D2-45/34-35
Encl.

OFFICE OF THE DIRECTOR,

Dated Bangalore, 22nd Septr. 1936

1590

24 SEP 1936

DEVELOPMENT BRANCH

FROM

S. G. Sastry, Esq., B.A., M.Sc., F.C.S.,
Director of Industries and Commerce in Mysore,
Bangalore (India).

To

M. Venkatanaranappa, Esq., B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore.

SIR,

Reduction in the cost of Agricultural Implements manufactured in the Central Industrial Workshop,s Bangalore.

With reference to your letter No. D. 6188-89 dated the 14th April 1936 on the above subject, I have the honor to furnish in the margin the information called for on four points in respect of Mysore as well as Kolar Mission Ploughs.

It will thus be kindly seen that the cost of the ploughs and cultivators are higher than the rates quoted to the Agricultural Department viz., Rs 13/- for the ploughs and Rs 10/- for the cultivators. It was possible to quote the reduced rates to the Agricultural Department by a waiver of a portion of the overhead charges.

I have the honor to be,
Sir,
Your most obedient servant,

S Sastry

Director.

usc)

	Value of imported parts	Cost of materials used for the manufacture of ~~renew~~ renewing parts in CIW	Labour charges for manufacture and assemblage of parts	Overhead charges equal to 100% of Labour	Total cost
Mysore	3 14 1	3 14 0	3 1 6	3 1 6	13 15 1
K. M.	4 12 3	3 13 0	2 13 6	2 13 6	14 4 3
Caltivator ...		5 5 4	2 14 6	2 14 6	11 2 4

TEL. ADDRESS : "AGRI., BANGALORE."
Code : 5th Edition A.B.C.

DEPARTMENT OF AGRICULTURE.

MYSORE STATE.

No. .....I.D.....Camp 2 E1 26-37

BANGALORE,
(Camp) Mysore
Dated..24th October.....193 6.

DEVELOPMENT SECRETARIAT
F.L. 253
27 OCT. 1936
DEVELOPMENT BRANCH

FROM

B. NARASIMHA IYENGAR, ESQ., B.A., PH.D.,
DIRECTOR OF AGRICULTURE IN MYSORE,
BANGALORE.

TO

M. Venkatanaranappa, Esq., B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore,
(Camp) Mysore.

SIR,

Subject:- Reduction in the cost of manufacturing Agricultural implements.

AE 25-5-32

With reference to your letter No.D.6188-89 dated 14th April 1936 regarding the above, I have the honour to forward herewith copy of the note of the Agricultural Engineer dated 19th October 1936 furnishing details for Rs.10/- and Rs.7/- being the cost of a plough and a cultivator respectively, as desired therein.

I have the honour to be,
Sir,
Your most obedient servant,

B. Narasimhaiyengar

Director of Agriculture.

Note No.537 dated 10-10-1936 from the Agricultural Engineer, Bangalore, to the Director of Agriculture in Mysore, Bangalore.

Cost of a K. M. Pattern plough.

---

1. Value of imported parts as quoted		...	Rs. 4- 8- 0
2. Value of materials used for the manufacture of remaining parts in the Departmental Workshop:-			
Iron materials	.. 1-13- 0		
Wooden beam	... 0-12- 0		
Cast iron body	.. 1- 2- 0		
Coal	.. 0- 1- 6		
	--------	...	3-12- 0
3. Labour charges of manufacture:			
Labour for making handles and rakes including depreciation on tools	0- 4- 0		
Assemblage	0- 5- 0		
	-------	...	0- 9- 0
4. Overhead charges and profits.-			
Supervision charges	... 0- 8- 0		
Profits	... 0-10- 6		
	--------	...	1- 2- 6
		Total	10- 0- 0

The above represents the cost of manufacture in the Hebbal Workshops. I have also made enquiries about supplies of ready made parts as cast iron bodies, beams and handles with the idea of assembling them through my supervision. Worked on that basis, the cost works as follows:-

Cast iron body	..	1- 2- 0
Handles with fixtures	..	2- 4- 0
Beam	..	0-12- 0
Imported parts	..	4- 8- 0
Assemblage of parts	..	0- 5- 0
Painting	..	0- 4- 0
Supervision and profit	..	0-15- 0
Total		10- 0- 0

Overleaf

Cost of a cultivator.

1. Value of imported parts	...		nil
2. Value of materials used for the manufacture in the workshop:-			
Wooden parts	..	2- 0- 0	
Iron parts	..	2- 0- 0	
Paint	..	0- 4- 0	
Coal	..	0-12- 0	
		--------	5- 0- 0
3. Labour charges	..		1- 4- 0
4. Overhead charges and profits			0-12- 0
		Total	7- 0- 0

****

Copy.

B. Whitehead

Director of Agriculture.

Proceedings of the Government of H.H.
the Maharaja of Mysore.

R e a d:-

1 Letter No.D.5361/I.&.C.255-32-3 dated 25-4-1933, to the Director of I.&.C. calling for a report regarding the reduction in the cost of agricultural implements manufactured in the Central Industrial Workshop.

2 2. Correspondence ending with letter No.D.45/34-35 dated the 22nd September 1936, from the Director of I.&.C furnishing his views on the subject with reference to the financial results of the manufacture of Agricultural implements in the Central Industrial Workshop.

3 3. Correspondence ending with letter No.T.D.Camp 2/26-27 dated the 24th October 1936, from the Director of Agriculture in the matter of manufacturing Agricultural Implements and reduction of their prices.

4 4. Un-official Note dated 22nd April 1937 from the Director of I.&.C. on the same subject.

ORDER NO. D 149-151 / I & C 255-32

Dated, Bangalore, the 15th July 1937.

With a view to popularise among the ryots the use of the improved patterns of agricultural implements made in the Central Industrial Workshop ~~and also to place the foundry section of the workshop~~ on a ~~self-supporting~~ basis, the Director of I.&.C. was requested to go into the question of reducing the manufacturing costs of these implements. ~~After the necessary investigation he reported, that~~ inclusive of over

52

Government are pleased to sanction the proposal of the Director of I.&.C.. Both the Departments of I.&.C. and Agri. should, however, try to encourage private people to manufacture these implements. What efforts are being made in this direction may be reported to Government.

DRAFT)
Secry to Govt.
Devt.Deptt.
1.7.37

The Director of I.&.C.
" " Agriculture.
" Comptroller to Government.

V.V.R.1.